

Sub
(41)

What is claimed is :

1. A cylindrical straight slab type gas laser comprising :

inconsistent with the spec P083

a pair of cylindrical electrodes of different diameter disposed concentrically by way of spacers to fill the gap between the cylindrical electrodes with laser medium to define a straight slab,

a ring-shaped trick mirror disposed at one end of the straight slab,

an output mirror disposed at the center of the one end of the straight slab in such a manner to pass a part of the light and to reflect a part of the remaining light, and

a w-axicon mirror disposed at the other end of the straight slab,

(characterized in that the relationship between the center offset X_m and the center position of the trick mirror is set to $X_m \leq 1.1 X_0$.)

2. A cylindrical straight slab type gas laser of claim 1, wherein the output laser beam from the output mirror has substantially Gaussian distribution when it is focused by the lens.

Double Patenting

(1, 2)

(1, 3)

0954190-05101